

## **SUMPS / INJECTION WELL MAINTENANCE**

\*This includes underground detention structures.

### **1. PURPOSE**

- a. Develop standard operating procedures for maintaining sumps/injection wells.

### **2. PROCESS**

#### **a. Schedule**

- Sumps/injection wells are to be maintained per the Storm Water System Maintenance Plan schedule.

#### **b. Inspection and Cleaning**

- Do visual inspection on outside of structure including grate, hood, collar, and lid to identify any cleaning or repairs needed.
- Determine how water is supposed to drain from the structure and assess the ability of the structure to allow water to drain as designed.
- If possible, do visual inspection of inside of sump/injection well to identify any cleaning or repairs needed.
  1. Look for sediment, debris, cracks, and missing or broken pieces in the walls of the structure.
- Clean sediment and trash off inlet to sump/injection well as required.
- Clean inside of structure using a high powered vacuum truck by cleaning the wall of the structure and sides of the pipe and sucking out sediment on the bottom.
- Use a high pressure washer to break up any remaining material while capturing the slurry with the vacuum.
- Remove fine sediments that might inhibit the drainage of water if the structure is designed such that the water drains out the bottom.
- Clean those places where the water drains if the structure is designed to drain out the sides of the sump/injection well.
- Clean inlets and overflow outlets.

#### **c. Repair**

- Any needed repairs are to be documented and completed per the Storm Water System Maintenance Plan.

### 3. CLEAN-UP

- a. When cleaning operation is complete or the vacuum truck is full, take sediment to an approved dewatering area. The liquids are to be discharged to the sanitary sewer.
- b. Once the material in the dewatering area has dried, the solids are to be disposed of in a landfill.

### 4. DOCUMENTATION

- a. Document structure maintenance in Cityworks database with work orders for inspection, cleaning, and repair.